

CUSTOMER REFERENCE  
**LASSEN PEAK**

Sample description as provided by customer

Mass/unit area 26 oz/yd<sup>2</sup> Pile Fibre Content 100% RESISTAIN SOLUTION DYED NYLON  
**Tufted** Secondary Backing **Synthetic**  
 Style **High and Low Loop**

Order No. **Sue**

Instruction Details

Colour **Caramel**

Pile Height / mm

**TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.**

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Feb 2012**

Test Date **13 Mar 2012**

**ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPSMART**

The UNDERLAY used was AIRSTEP STEPSMART.

Substrate: Non-Combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 2.1 kW/m<sup>2</sup>  
 Specimen 1 Width Direction Critical Radiant Flux 4.2 kW/m<sup>2</sup>  
 Full tests carried in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	2.1	2.2	2.3	2.2
Smoke Development Rate (%.min)	269	283	267	273

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

**MEAN CRITICAL RADIANT FLUX 2.2 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 273 percent-minutes**


OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt a relatively short distance.



**M. B. Webb**  
Technical Manager

DATE: 13/3/2012

Measurement Science & Technology No. 15393  
Accredited for compliance with ISO/IEC 17025.



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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	144	145	155	171	195	235	250	273	306	413	454	772	1178	/				
2	168	169	183	221	250	276	328	379	451	562	637	903	1179	/				
3	203	204	228	239	255	279	318	342	377	443	594	/						

**TESTS**

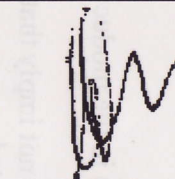
**SMOKE PRODUCTION**

**BURNING CHARACTERISTICS**

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: <b>Width</b>	<b>57</b>	<b>254</b>	<b>450</b>	<b>1,174</b>
Specimen Tests: <b>Length</b>				
1	75	269	640	1,541
2	78	283	625	1,493
3	72	267	620	1,413
<b>Mean</b>	<b>75</b>	<b>273</b>	<b>628</b>	<b>1,482</b>



ACCREDITED FOR  
**TECHNICAL  
 COMPETENCE**



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*The laboratory does not allow the use of this page of the report without the use of page 1.*

This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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